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PATENT ABSTRACTS OF JAPAN

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(54) RECORDING DEVICE OF DIGITAL INFORMATION SIGNAL

(57)Abstract

PURPOSE: To make it unnecessary to change the speed of a tape the turning speed of a drum and an analog circuit even if sampling frequencies are different by selecting a frame frequency satisfying a specific condition.

CONSTITUTION: A digital information recording device records digital signals having different sampling frequencies f_{s1} and f_{s2} . When it is defined that $n1$ and $n2$ are the numbers of data words, the field frequency F is selected so as to satisfy the equation. The operation frequency of each part is fixed by using the frequency F as a reference. If the sampling frequency is changed, the frequency F is fixed and the number of data words included in a $1/F$ period is set to n . Thus, it can be made unnecessary to change the tape speed, the turning speed of the drum and the analog circuit even if the sampling frequency is different.

$$\left(\frac{n1}{f_{s1}} \div \frac{n2}{f_{s2}} \right) = \frac{1}{F}$$

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